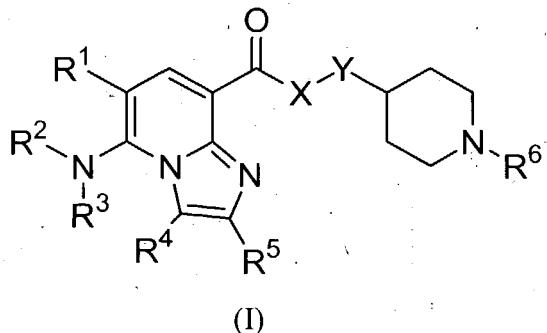


ABSTRACT

This invention provides a compound of the formula (I):



5 or the pharmaceutically acceptable salts thereof wherein R¹ is hydrogen, halo or alkyl; R² and R³ are independently hydrogen, alkyl, alkenyl, alkynyl, aminoalkyl or hydroxyalkyl; or R² and R³ taken together with the nitrogen atom to which they are attached may form heterocyclic; R⁴ is hydrogen, halo, acyl, amino, amido, aryl, arylalkyl, or heteroaryl; R⁵ is hydrogen, halo, alkyl, alkenyl, alkynyl, acyl, amino, 10 amido, aryl, arylalkyl, or heteroaryl; R⁶ is hydrogen, alkyl or alkoxyalkyl; X is NR⁹ wherein R⁹ is hydrogen or alkyl; and Y is (CR⁷R⁸)_n wherein n is an integer from 0 to 5.

These compounds have 5-HT₄ receptor binding activity, and thus are useful for the treatment of gastroesophageal reflux disease, non-ulcer dyspepsia, Functional dyspepsia, irritable bowel syndrome or the like in mammalian, especially humans. 15 This invention also provides a pharmaceutical composition comprising the above compound.